

I. rész

$$\begin{aligned} 1. \int 2x \sin x^2 dx, \quad 2. \int x \sin x^2 dx, \quad 3. \int \cos^3 y \sin y dy, \quad 4. \int \sin u \cos u du, \\ 5. \int z e^{-z^2} dz, \quad 6. \int v^2 (3 + 5v^3)^{12} dv, \quad 7. \int t \sqrt{t^2 - 2} dt, \\ 8. \int \frac{s-1}{\sqrt[5]{s^2-2s+5}} ds, \quad 9. \int \frac{\sin \omega}{\cos^2 \omega} d\omega. \end{aligned}$$

II. rész

$$\begin{aligned} 1. \int \frac{e^p}{5+e^p} dp, \quad 2. \int \frac{x}{x^2+1} dx, \quad 3. \int \frac{3t^2+t}{2t^3+t^2+1} dt, \quad 4. \int \frac{1}{s \ln s} ds, \\ 5. \int \operatorname{ctg} y dy, \quad 6. \int \frac{1-u}{u^2+1} du, \quad 7. \int \frac{1+z}{z^2+2z+1} dz. \end{aligned}$$